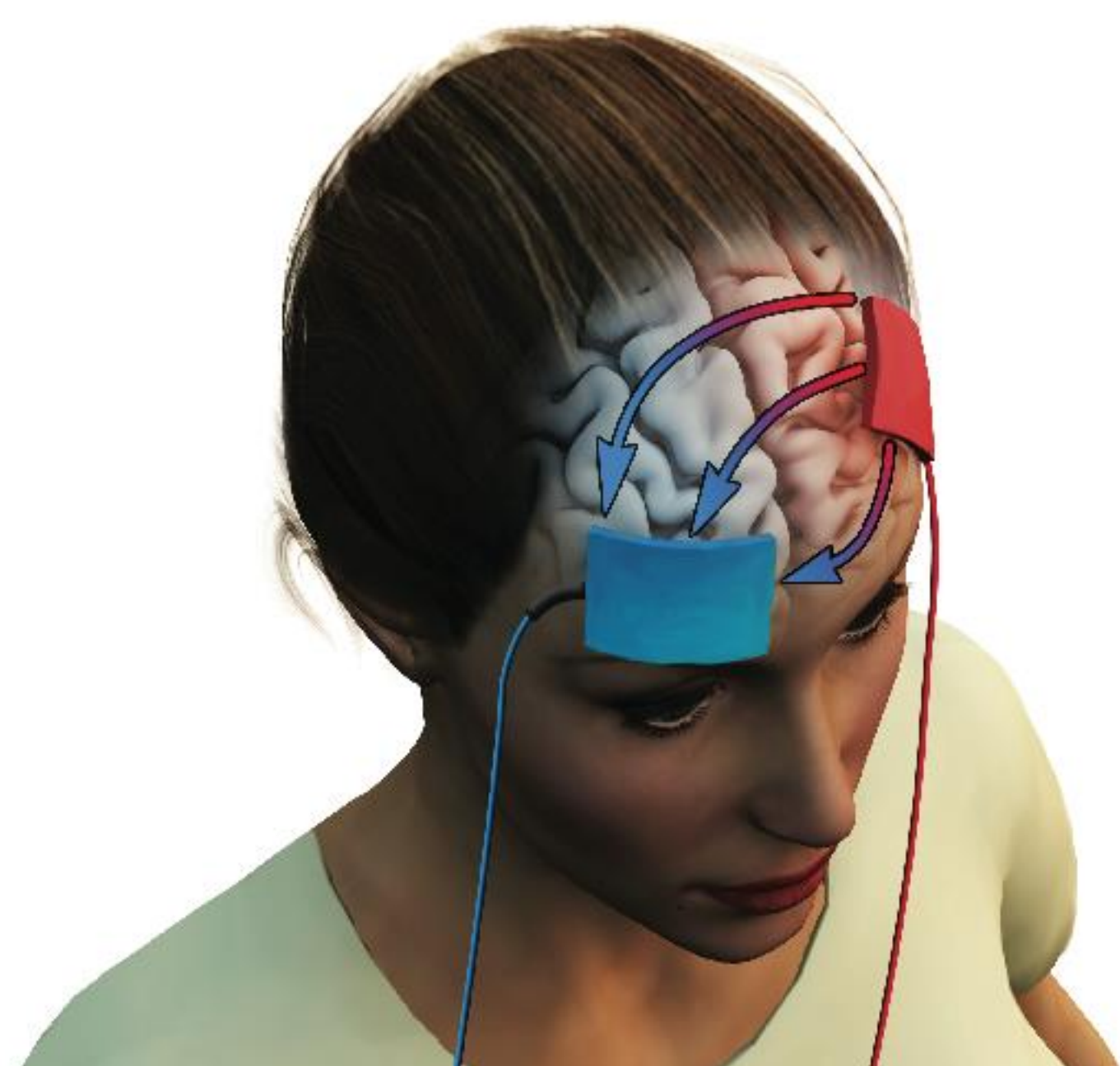




# Cognitive augmentation via training and brain stimulation: Predicting and optimising outcomes



## Purpose

- Assess benefits of combined training and transcranial direct current stimulation (tDCS) at improving performance in military relevant tasks.
- Examine longevity and transferability of combined training and tDCS.
- Use neuroimaging to investigate the parameters that mediate the effect of transcranial tDCS.
- Identify optimal tDCS intensity for use with ADF personnel.

## Product

- Development and refinement of an optimal combined training and tDCS design for use with ADF personnel.
- Detailed report on the utility of combined training and tDCS for improving cognition including individual mediating variables.

## Schedule

- FY 19-21 S1: Data collection with civilian population (N = 160).
- FY 20-21 S2: Development of combined training and tDCS protocol for ADF personnel.
- FY21-22 Data collection with ADF personnel (N = 80). Analyses of data and preparation of final report and dissemination of findings.

## Partners

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- University of Oxford: Charlotte Stagg
- DST: Nick Willmot